9. (Amended) The carbon monoxide transforming apparatus according to claim 7 or 8, wherein platinum and a rare earth element are carried on the iron oxide carrier at a ration of 0.5 to 5% by weight and 1 to 3% by weight, respectively.

10. (Amended) The carbon monoxide transforming apparatus according to claim 1, which further comprises a cooling coil for cooling the catalyst, the cooling coil being disposed inside said reaction vessel.

11. (Amended) The carbon monoxide transforming apparatus according to claim 1, wherein said reaction vessel is partitioned by means of a plurality of gas-permeating plates into plural sections which are arranged between the gas inlet port and the gas outlet port, each section housing a catalyst or a cooling coil, which are alternately arranged.

REMARKS

Favorable consideration of this application is respectfully requested.

It is respectfully submitted that the present application is in condition for examination on the merits, and an early and favorable decision is respectfully requested.

Finally, the attention of the Patent Office is directed to the change of address of Applicants' representative, effective January 6, 2003:

Oblon, Spivak, McClelland, Maier & Neustadt, P.C.

1940 Duke Street

Alexandria, VA 22314.

Please direct all future communications to this new address.

Respectfully submitted,
OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Carl E. Schlier

Gregory J. Maier
Registration No. 25,599
Carl E. Schlier
Registration No. 34,426
Attorneys of Record

22850

703-413-3000
703-413-2220 Fax
GJM/CES/maj
I:\ATTY\CES\198156US.RR_AM.DOC

Marked-Up Copy
Serial No. 09/684,776
Amendment Filed: Herewith
4-25-03

IN THE SPECIFICATION

Please amend the paragraph beginning on page 7, line 3, as follows:

Namely, this invention provides a carbon monoxide transforming apparatus [for fuel cell], which comprises:

Please amend the paragraph beginning on page 7, line 16, as follows:

In the carbon monoxide transforming apparatus [for fuel cell] according to this invention, it is preferable that the catalyst is constructed such that the carrier having a base point on the surface thereof is formed of titanium oxide, and that platinum and a rare earth element are carried on the carrier. In this case, the rare earth element should preferably be at least one element selected from the group consisting of lanthanum and cerium. Preferably, the platinum and a rare earth element are carried on the titanium oxide carrier at a ratio of 0.1 to 3% by weight and 0.3 to 3% by weight, respectively.

Please amend the paragraph beginning on page 8, line 1, as follows:

In the carbon monoxide transforming apparatus [for fuel cell] according to this invention, it is preferable that the catalyst is constructed such that the carrier having a base point on the surface thereof is formed of zinc oxide, and that platinum is carried on the carrier.

Please amend the paragraph beginning on page 8, line 7, as follows:

In the carbon monoxide transforming apparatus [for fuel cell] according to this invention, it is preferable that the catalyst is constructed such that the carrier having a base

point on the surface thereof is formed of iron oxide, and that platinum and a rare earth element are carried on the carrier. In this case, the rare earth element should preferably be at least one element selected from the group consisting of lanthanum and cerium. Preferably, the platinum and a rare earth element are carried on the iron oxide carrier at a ratio of 0.5 to 5% by weight and 1 to 3% by weight, respectively.

Please amend the paragraph beginning on page 8, line 19, as follows:

The carbon monoxide transforming apparatus [for fuel cell] according to this invention may further [comprises] comprise a cooling coil for cooling the catalyst, the cooling coil being disposed inside the reaction vessel.

IN THE CLAIMS

Please amend the claims as follows:

1. (Amended) A carbon monoxide transforming apparatus [for fuel cell], which comprises:

a reaction vessel having gas inlet and outlet ports; and

a catalyst filled in said reaction vessel and having at least platinum or palladium carried on a carrier which has a base point on the surface thereof.

2. (Amended) The carbon monoxide transforming apparatus [for fuel cell] according to claim 1, wherein said catalyst is constructed such that the carrier having a base point on the surface thereof is formed of titanium oxide, and the platinum is carried on the carrier.

3. (Amended) The carbon monoxide transforming apparatus [for fuel cell] according to claim1, wherein said catalyst is constructed such that the carrier having a base point on the surface thereof is formed of titanium oxide, and that platinum and a rare earth element are carried on the carrier.

4. (Amended) The carbon monoxide transforming apparatus [for fuel cell] according to claim 3, wherein said rare earth element is at least one element selected from the group consisting of lanthanum and cerium.

5. (Amended) The carbon monoxide transforming apparatus [for fuel cell] according to claim 3 or 4, wherein platinum and a rare earth element are carried on the titanium oxide carrier at a ratio of 0.1 to 3% by weight and 0.3 to 3% by weight, respectively.

6. (Amended) The carbon monoxide transforming apparatus [for fuel cell] according to claim 1, wherein said catalyst is constructed such that the carrier having a base point on the surface thereof is formed of zinc oxide, and that platinum is carried on the carrier.

7. (Amended) The carbon monoxide transforming apparatus [for fuel cell] according to claim 1, wherein said catalyst is constructed such that the carrier having a base point on the surface thereof is formed of iron oxide, and that platinum and a rare element are carried on the carrier.

8. (Amended) The carbon monoxide transforming apparatus [for fuel cell] according to claim 7, wherein said rare earth element is at least one element selected from the group consisting of lanthanum and cerium.

9. (Amended) The carbon monoxide transforming apparatus [for fuel cell] according to claim 7 or 8, wherein platinum and a rare earth element are carried on the iron oxide carrier at a ration of 0.5 to 5% by weight and 1 to 3% by weight, respectively.

10. (Amended) The carbon monoxide transforming apparatus [for fuel cell] according to claim 1, which further comprises a cooling coil for cooling the catalyst, the cooling coil being disposed inside said reaction vessel.

11. (Amended) The carbon monoxide transforming apparatus [for fuel cell] according to claim 1, wherein said reaction vessel is partitioned by means of a plurality of gas-permeating plates into plural sections which are arranged between the gas inlet port and the

gas outlet port, each section housing a catalyst or a cooling coil, which are alternately arranged.